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a three-dimension fabric-like ceramics structure obtained by baking an intermediate comprising a three-dimension fabric having continuous apertures and ceramics materials adhered to surfaces of yarns constituting said three-dimension fabric to eliminate organic components of said three-dimension fabric.

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3. The three-dimension ceramics structure as recited in claim 2, further comprising one or a plurality of fabric layers each having apertures and disposed between said upper fabric layer and said lower fabric layer.

4. The three-dimension ceramics structure as recited in claim 1, wherein high-performance material is adhered to a surface of said three-dimension fabric-like ceramics structure.

5. The three-dimension ceramics structure as recited in claim 2, wherein high-performance material is adhered to a

surface of said three-dimension fabric-like ceramics structure.

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6. The three-dimension ceramics structure as recited in claim 3, wherein high-performance material is adhered to a surface of said three-dimension fabric-like ceramics structure.

7. A method for manufacturing a three-dimension ceramics structure, including the steps of:

immersing a three-dimension structural fabric having penetrated apertures into ceramics slurry; and

baking said three-dimension structural fabric raised from said ceramics slurry at a predetermined temperature to eliminate organic components of said three-dimension structural fabric to thereby obtain said three-dimension ceramics structure.

8. The method for manufacturing a three-dimension ceramics structure as recited in claim 7, wherein said ceramics slurry contains organic bonding agents.

9. The method for manufacturing a three-dimension ceramics structure as recited in claim 7, wherein said three-dimension structural fabric comprises upper and lower fabric layers disposed at a certain distance and each having a plurality of apertures and connecting yarns connecting said upper and lower fabric layers.

10. The method for manufacturing a three-dimension ceramics structure as recited in claim 8, wherein said three-dimension structural fabric comprises upper and lower fabric layers disposed at a certain distance and each having a plurality of apertures and connecting yarns connecting said upper and lower fabric layers.

11. The method for manufacturing a three-dimension ceramics structure as recited in claim 9, wherein at least some of said connecting yarn include a monofilament yarn of from 100 to 2000 denier.

12. The method for manufacturing a three-dimension ceramics structure as recited in claim 11, wherein a combined yarn made by combining one or two kinds of yarns selected from the group including a spun yarn and a multifilament yarn with a monofilament yarn of from 100 to 2000 denier is used as said connecting yarn.

13. The method for manufacturing a three-dimension ceramics structure as recited in claim 11, wherein one or two kinds of yarns selected from the group including a spun yarn and a multifilament yarn and a monofilament yarn of from 100 to 2000 denier are independently used as said connecting yarn, without using as their combination.

14. The method for manufacturing a three-dimension ceramics structure as recited in claim 11, wherein at least some of yarns constituting said upper and ~~lower~~ fabric layers include one or two kinds of yarns selected from the group including a spun yarn and a multifilament yarn.

15. The method for manufacturing a three-dimension ceramics structure as recited in claim 12, wherein at least some of yarns constituting said upper and ~~lower~~ fabric layers include one or two kinds of yarns selected from the group including a spun yarn and a multifilament yarn.

16. The method for manufacturing a three-dimension ceramics structure as recited in claim 13, wherein at least some of yarns constituting said upper and ~~lower~~ fabric layers include one or two kinds of yarns selected from the group including a spun yarn and a multifilament yarn.

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17. A three-dimension ceramics structure, comprising a three-dimension fabric-like structure made of ceramics.

18. The three-dimension ceramics structure as recited in claim 17, wherein said fabric-like structure comprises upper and lower fabric-like layers disposed at a certain distance and an intermediate yarn-like connecting layer connecting said upper fabric-like layer with said lower fabric-like layer.

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19. The three-dimension ceramics structure as recited in claim 17, further comprising one or a plurality of intermediate fabric-like ceramics layers disposed between said upper and lower fabric-like ceramics layers.

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20. The three-dimension ceramics structure as recited in claim 17, wherein high-performance material is adhered to a surface of said fabric-like ceramics structure.

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21. ~~The three-dimension ceramics structure as recited in claim 20, wherein said high-performance material is catalyst or adsorbent.~~